

HS AG JXP

MATERIAL SAFETY DATA SHEET

600 FLUX

VERSION DATE 7/22/03 **MSDS600** PRINT DATE

SECTION 1 PRODUCT IDENTIFICATION

COMPANY NAME WHO SENT MSDS..... THE HARRIS PRODUCTS GROUP
COMPANY ADDRESS..... 4501 QUALITY PLACE
MASON, OH 45040-1971
EMERGENCY PHONE NUMBER..... CHEMTREC: 1-800-424-9300
MSDS VERSION NUMBER..... 2
TRADE NAME..... 600 FLUX

HAZARD RATING (HMIS)..... HEALTH 1
FLAMMABILITY 0
CORROSIVITY 0
OTHER 0
HMIS DESIGNATED KEY..... 4-SEVERE HAZARD
3-SERIOUS HAZARD
2-MODERATE HAZARD
1-SLIGHT HAZARD
0-MINIMAL HAZARD

SECTION 2 HAZARDOUS COMPONENTS

MATERIAL	% BY WEIGHT	CAS NUMBER	ACGIH TLV (MG/M3)	SEC 313
BORAX	NA	1330-43-4	1 MG/M3	ACGIH
BORIC ACID	NA	10043-35-3	10MG/M3 B2O3	OSHA

SECTION 3 PHYSICAL PROPERTIES

BOILING POINT.....NA
MELTING POINT.....NA
VAPOR PRESSURE.....NA
VAPOR DENSITY (AIR=1).....NA
SOLUBILITY IN WATER.....MODERATE
SPECIFIC GRAVITY.....1.55
EVAPORATION RATE.....NA
APPEARANCE AND ODOR.....WHITE POWDER WITH NO CHARACTERISTIC ODOR

SECTION 4 FIRE AND EXPLOSION DATA

FLASH POINT.....NA
EXTINGUISHING MEDIA.....NONE. PRODUCT IS AN INHERENT FIRE RETARDANT.
SPECIAL PROCEDURES.....NA
UNUSUAL HAZARDS.....NA

SECTION 5 REACTIVITY DATA

STABILITY.....STABLE
CONDITIONS TO AVOID.....NA
HAZARDOUS POLYMERIZATION.....NA
INCOMPATIBILITY.....ACETIC ANHYDRIDE, ELEMENTAL POTASSIUM.
HAZARDOUS DECOMPOSITION PRODUCTS.....NA

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY.....SWALLOWING, SKIN ABSORPTION, INHALATION, SKIN CONTACT, EYE CONTACT.
HEALTH HAZARDS.....SWALLOWING-NAUSEA, VOMITING & DIARRHEA. SKIN ABSORPTION-BORON NOT ABSORBED THROUGH INTACT SKIN. INHALATION-IRRITATION TO RESPIRATORY SYSTEM, SNEEZING, COUGHING, PRE-EXISTING DISORDERS AGGRAVATED. EYE CONTACT-IRRITATION TO EYE SURFACE.
CARCINOGENICITY.....NA
SIGNS & SYMPTOMS OF EXPOSURE.....SEE ABOVE
MEDICAL CONDITIONS FROM EXPOSURE.....SEE ABOVE
EMERGENCY & FIRST AID.....SWALLOWING-CALL PHYSICIAN OR POISON CONTROL CENTER, ADVISE OF SECTION II. SKIN- PROMPTLY FLUSH WITH WATER FOR 15 MINUTES, REMOVE ALL RESIDUE, IF RASH, CALL PHYSICIAN. INHALATION-REMOVE TO FRESH AIR, IF FUMES INHALED, CALL PHYSICIAN. EYES-FLUSH WITH WATER AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.
ADDITIONAL INFORMATION.....TARGET ORGAN: MAY BE HARMFUL IF SWALLOWED AND IRRITATING TO SKIN AND EYES. CHRONIC EFFECTS: COUGHING, CNS EFFECTS, ERYTHEMA, NAUSEA. NOTE: WHEN USED AS INTENDED, FUMES OF BORON OXIDE WILL BE GIVEN OFF WHICH ARE HAZARDOUS.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL AND LEAK PROCEDURES.....CONTAIN SPILL, ABSORB, SWEEP UP, DISPOSE. FLUSH AREA WITH WATER TO CHEMICAL SEWER. AVOID BREATHING DUST.
WASTE AND DISPOSAL METHOD.....DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
HANDLING AND STORING PRECAUTIONS.....WASH HANDS THOROUGHLY AFTER HANDLING TO REMOVE ALL RESIDUE. STORE FLUX UNDER AMBIENT CONDITIONS.
OTHER PRECAUTIONS.....REMOVE AND PROFESSIONALLY WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION 8 CONTROL MEASURES

RESPIRATORY MEASURES.....IF THE WORKSTATION IS NOT VENTILATED TO REMOVE ALL DUSTS AND FUMES, USE A NIOSH APPROVED MASK.
VENTILATION.....MAINTAIN AIRFLOW AWAY FROM USER TO EXHAUST ALL DUST AND FUMES, SO THAT THE TLV IS NEVER EXCEEDED.
PROTECTIVE GLOVES.....CHEMICAL IMPERVIOUS.
EYE PROTECTION.....CHEMICAL SAFETY GOGGLES
OTHER PROTECTIVE EQUIPMENT.....FULL PROTECTION EQUIPMENT AS IS USED IN BRAZE/WELDING OPERATIONS, SO AS TO PREVENT ANY CONTACT.
WORK/HYGIENIC PRACTICES.....FOR MAXIMUM SAFETY, BE CERTIFIED FOR, AND WEAR A RESPIRATOR AT ALL TIMES WHEN WELDING AND OR BRAZING.

SECTION 9 DISCLAIMER

THIS DATA IS BELIEVED TO BE ACCURATE. THE HARRIS PRODUCTS GROUP MAKES NO WARRANTY TO AND DISCLAIMS ALL LIABILITY FROM RELIANCE.

SECTION 10 ADDITIONAL INFORMATION

TLV AND SOURCE REFERENCES:
16.98 MG/M3 PER TLVs FOR MIXTURES IN ACGIH OSHA PEL: NONE ESTABLISHED, MATERIAL AS AN OSHA NUISANCE DUST, PEL: 10 MG/M3;
NA = NOT APPLICABLE